



QUALITY CERTIFICATE

APS P-9688

DISCHARGE ADDRESS		CUSTOMER	
PLESA ANAHUAC Y CIAS, S.A. DE C.V. AV VALLE DE LAS ALAMEDAS 66-O COL. SAN FRANCISCO CHILPAN 54940, TULTITLAN EDO. DE MEXICO		ARCELOR COMMERCIAL SECTIONS, S.A. 66, RUE DE LUXEMBOURG L-4221 ESCH-SUR-ALZETTE LUXEMBOURG	
SHIPPED AND CERTIFIED BY		CREDIT NUMBER	PORT OF LOADING
ARCELOR BERGARA, S.A. C/BARRA, 6 20570 BERGARA (Guipúzcoa) TELEF. (943) 76.19.40 - FAX (943) 765243			BILBAO, SPAIN
		PORT OF DISCHARGE	VESSEL
		VERACRUZ	SKALVA
OUR REFERENCE	CONTRACT NUMBER	ORDER NUMBER	DATE
mgonzalez	E-20006 Lot: 1	1700005884	22/02/2007

Material: WF Vigas, calidad ASTM A-992.

El exportador de los productos incluidos en el presente documento,
Autorización aduanera no.

ARCELOR BERGARA, S.A. ES/48/0021/03

Declara que, salvo indicación en sentido contrario, estos
productos gozan de un origen preferencial ESPAÑA

SIZE	LENGTH	BUNDLES	PIECES BUNDLES	TOTAL PIECES	WEIGHT BUNDLES	TOTAL WEIGHT	HEAT
/ AMARILLO							
WF BEAMS 6x9	40'	32	21	672	3428	109.696	100390,100391,100392
WF BEAMS 6x12	40'	26	18	468	3919	101.894	51271,64247,100387,100389,100392
WF BEAMS 6x16	40'	21	15	315	4354	91.434	64767,100386
WF BEAMS 8x10	40'	45	16	720	2903	130.635	100596,100597,100598,100599,100601,100602
WF BEAMS 8x13	40'	9	14	126	3303	29.727	100595,100600
WF BEAMS 8x15	40'	8	14	112	3810	30.480	100593
WF BEAMS 6x16	40'	1	11	11	3193	3.193	64767

TOTAL BUNDLES 142

TOTAL WEIGHT 497.059 Kg.

A02 EN 10204/3.1.B

CSA G40.21 50W/ASTM A36-04/A572 G50-04/A992-04/A6-04

(B01/B02/B03) A03

COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)													
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV	
51271	,107	1,132	,230	,025	,015	,003	,119	,153	,041	,523	,024	,018	,37	
64247	,136	1,096	,174	,016	,019	,044	,068	,076	,012	,327	,000	,014	,37	
64767	,103	,712	,188	,038	,028	,003	,092	,099	,023	,468	,017	,016	,28	
100386	,108	,645	,160	,019	,014	,002	,099	,152	,026	,427	,012	,019	,28	
100387	,105	,640	,182	,032	,035	,003	,180	,175	,028	,471	,011	,026	,30	
100389	,112	,647	,189	,036	,036	,003	,091	,128	,023	,481	,011	,027	,28	



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COLADA HEAT	COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%)																
	C	Mn	Si	P	S	V	Cr	Ni	Mo	Cu	Nb	Sn	CEV				
100390	,102	,652	,180	,036	,048	,003	,099	,136	,026	,472	,011	,030	,28				
100391	,107	,650	,194	,034	,039	,004	,120	,130	,024	,466	,011	,031	,28				
100392	,110	,631	,186	,040	,041	,003	,130	,144	,027	,481	,011	,029	,29				
100593	,117	,601	,176	,025	,032	,003	,093	,123	,027	,417	,010	,020	,28				
100595	,110	,640	,187	,029	,035	,005	,127	,124	,026	,434	,012	,021	,29				
100596	,108	,668	,175	,032	,029	,003	,113	,105	,022	,352	,011	,018	,28				
100597	,099	,658	,182	,040	,033	,004	,136	,108	,025	,365	,012	,023	,27				
100598	,118	,607	,160	,019	,034	,002	,052	,123	,023	,409	,010	,026	,27				
100599	,128	,637	,217	,032	,018	,002	,066	,131	,025	,451	,008	,031	,29				
100600	,129	,602	,209	,030	,031	,002	,078	,127	,026	,419	,008	,026	,29				
100601	,116	,620	,159	,023	,038	,002	,071	,129	,030	,389	,009	,024	,27				
100602	,105	,627	,175	,027	,034	,002	,073	,126	,029	,413	,008	,023	,27				

MATERIAL SIZE	COLADA HEAT	PROPIEDADES MECANICAS MECHANICAL PROPERTIES					
		ReH MPa		Rm MPa		A% LO=2"	
B11	B06	C11		C12		C13	
W-6x12	51271	393	391	517	511	34,4	33,6
W-6x12	64247	416	403	530	519	34,8	33,8
W-6x12	100387	395	386	514	504	34,6	33,8
W-6x12	100389	386	378	523	516	32,9	32,4
W-6x12	100392	388	375	513	511	33,3	32,7
W-6x16	64767	402	402	521	509	35,8	35,
W-6x16	100386	388	384	513	496	34,8	33,9
W-6x9	100390	415	406	523	517	34,6	34,3
W-6x9	100391	401	394	526	511	34,7	34,2
W-6x9	100392	414	406	530	518	33,6	32,8
W-8x10	100596	394	387	524	510	33,6	32,8
W-8x10	100597	403	390	524	517	32,3	31,7
W-8x10	100598	395	380	520	507	32,5	31,5
W-8x10	100599	393	383	527	520	32,6	31,7
W-8x10	100601	362	361	507	490	30,4	29,6
W-8x10	100602	373	364	504	495	33,1	32,7
W-8x13	100595	379	375	521	504	31,4	30,5
W-8x13	100600	366	358	509	504	31,5	30,5
W-8x15	100593	397	389	529	521	29,	28,7

18 análisis

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.
 B06: Marca APB

Z01

 Miguel Cenitagoya